Fig. 1

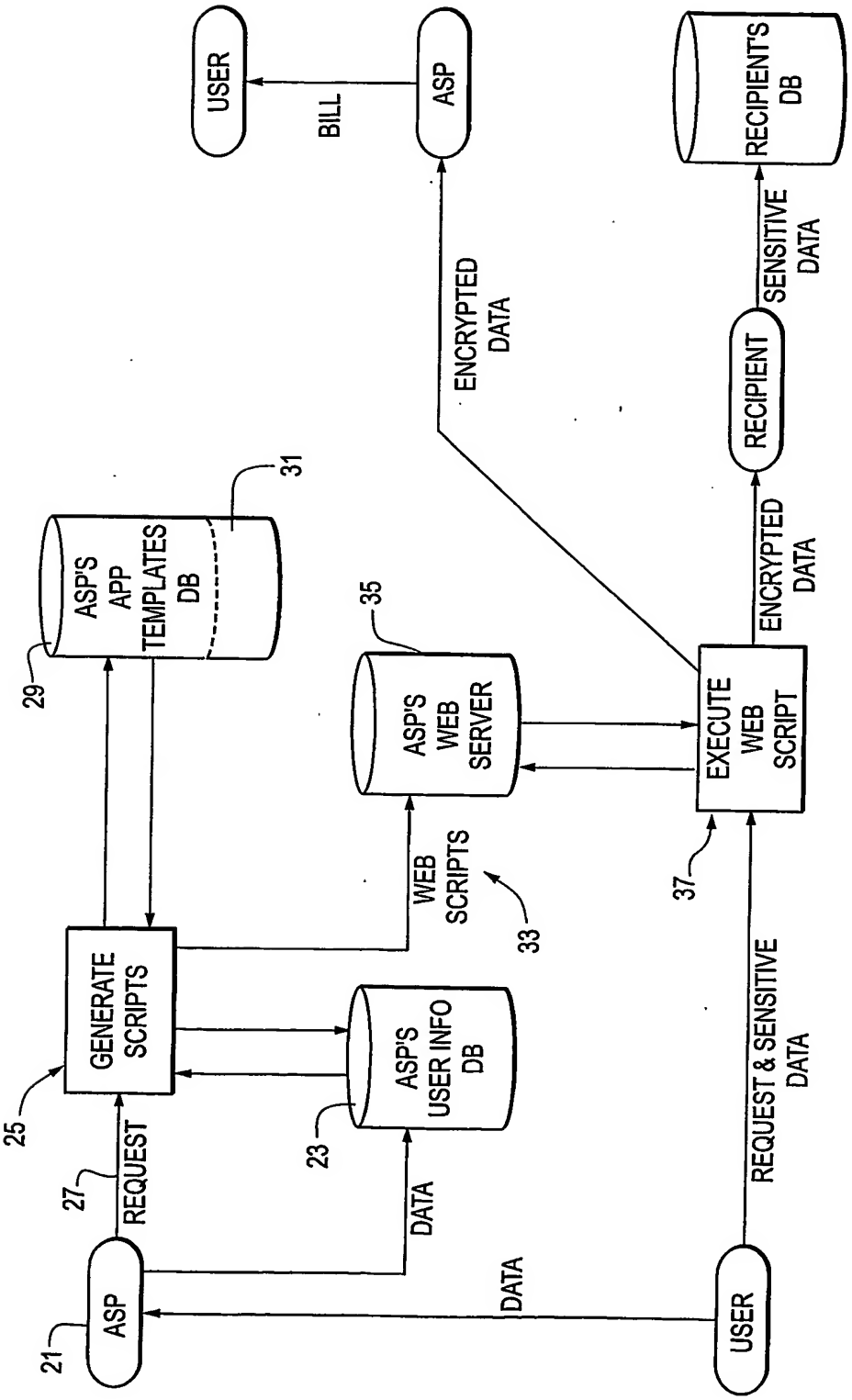

USER
BILL
ASP
RECIPIENT'S DB
ENCRYPTED DATA
SENSITIVE DATA
RECIPIENT
31
ASP'S APP TEMPLATES DB
29
35
ASP'S WEB SERVER
EXECUTE WEB SCRIPT
ENCRYPTED DATA
WEB SCRIPTS
33
37
GENERATE SCRIPTS
ASP'S USER INFO DB
25
23
27
REQUEST
DATA
REQUEST & SENSITIVE DATA
21
ASP
DATA
USER

Fig. 2

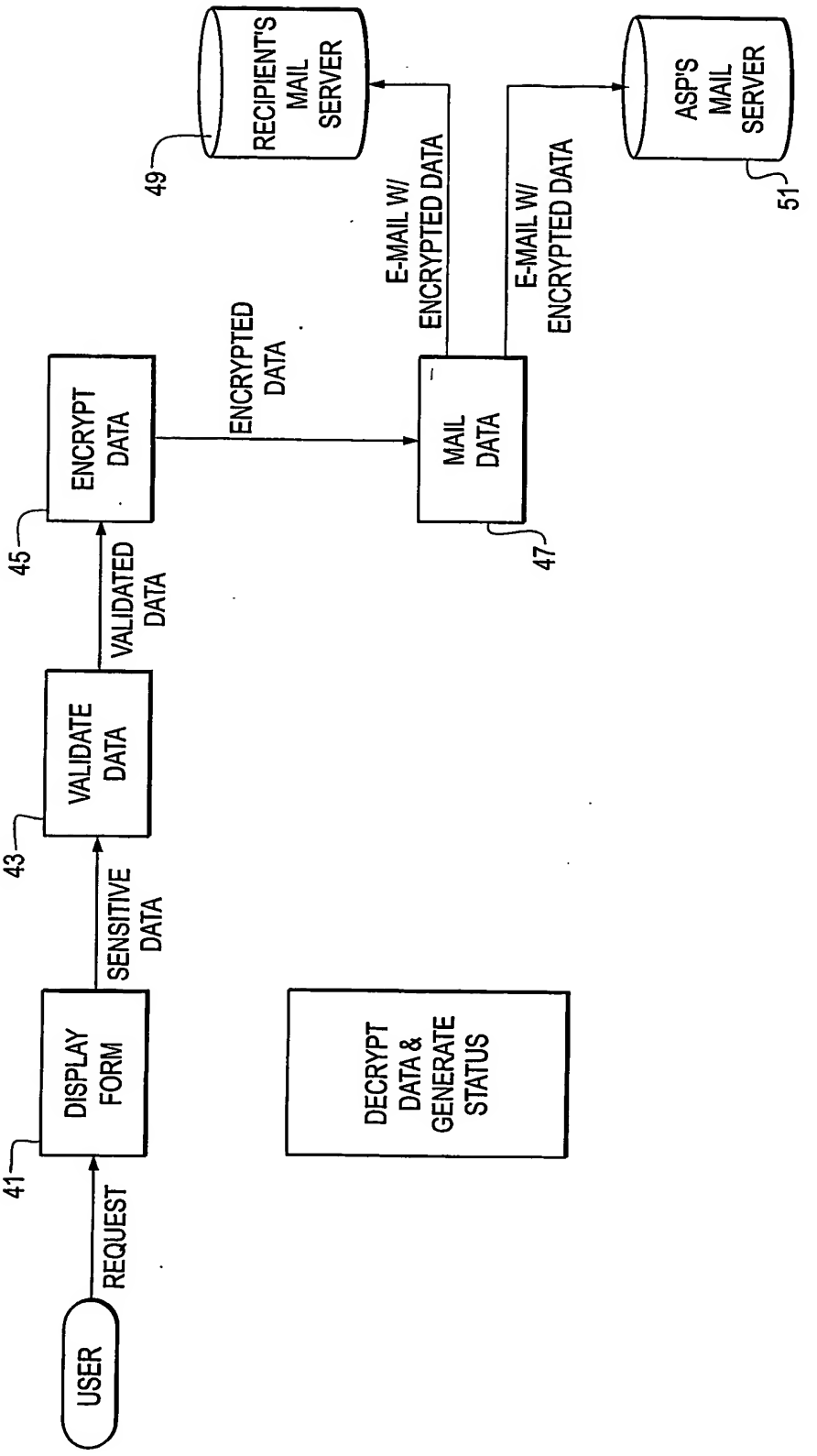

USER
REQUEST
41
DISPLAY FORM
SENSITIVE DATA
43
VALIDATE DATA
VALIDATED DATA
45
ENCRYPT DATA
ENCRYPTED DATA
MAIL DATA
47
E-MAIL W/ ENCRYPTED DATA
E-MAIL W/ ENCRYPTED DATA
49
RECIPIENT'S MAIL SERVER
51
ASP'S MAIL SERVER
DECRYPT DATA & GENERATE STATUS

Fig. 3

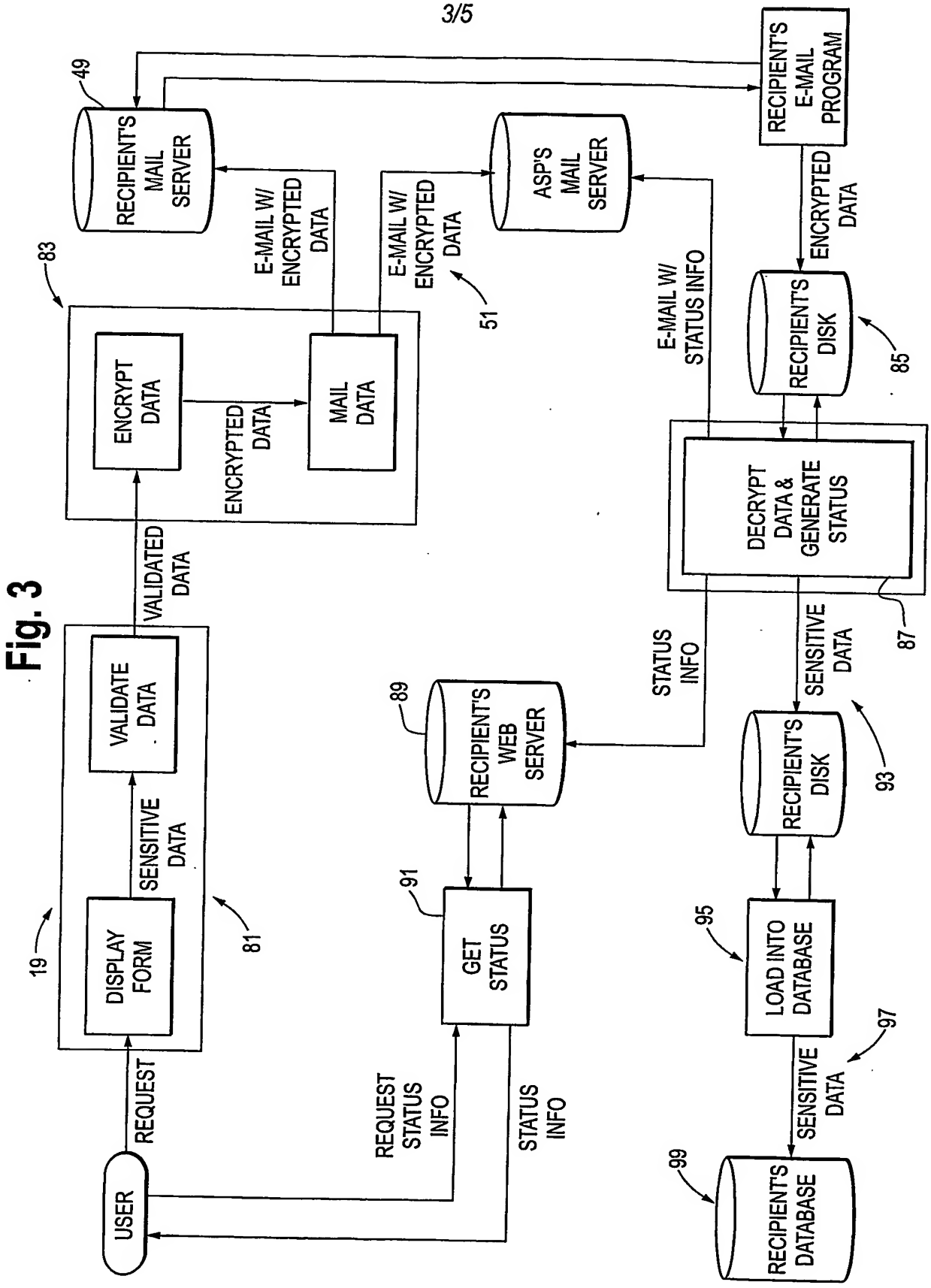

USER
REQUEST
19
DISPLAY FORM
SENSITIVE DATA
VALIDATE DATA
VALIDATED DATA
81
83
ENCRYPT DATA
ENCRYPTED DATA
MAIL DATA
49
RECIPIENT'S MAIL SERVER
E-MAIL W/ ENCRYPTED DATA
E-MAIL W/ ENCRYPTED DATA
51
ASP'S MAIL SERVER
RECIPIENT'S E-MAIL PROGRAM
ENCRYPTED DATA
RECIPIENT'S DISK
85
E-MAIL W/ STATUS INFO
DECRYPT DATA & GENERATE STATUS
87
SENSITIVE DATA
STATUS INFO
89
RECIPIENT'S WEB SERVER
91
GET STATUS
REQUEST STATUS INFO
STATUS INFO
RECIPIENT'S DISK
93
95
LOAD INTO DATABASE
97
SENSITIVE DATA
99
RECIPIENT'S DATABASE

Fig. 4

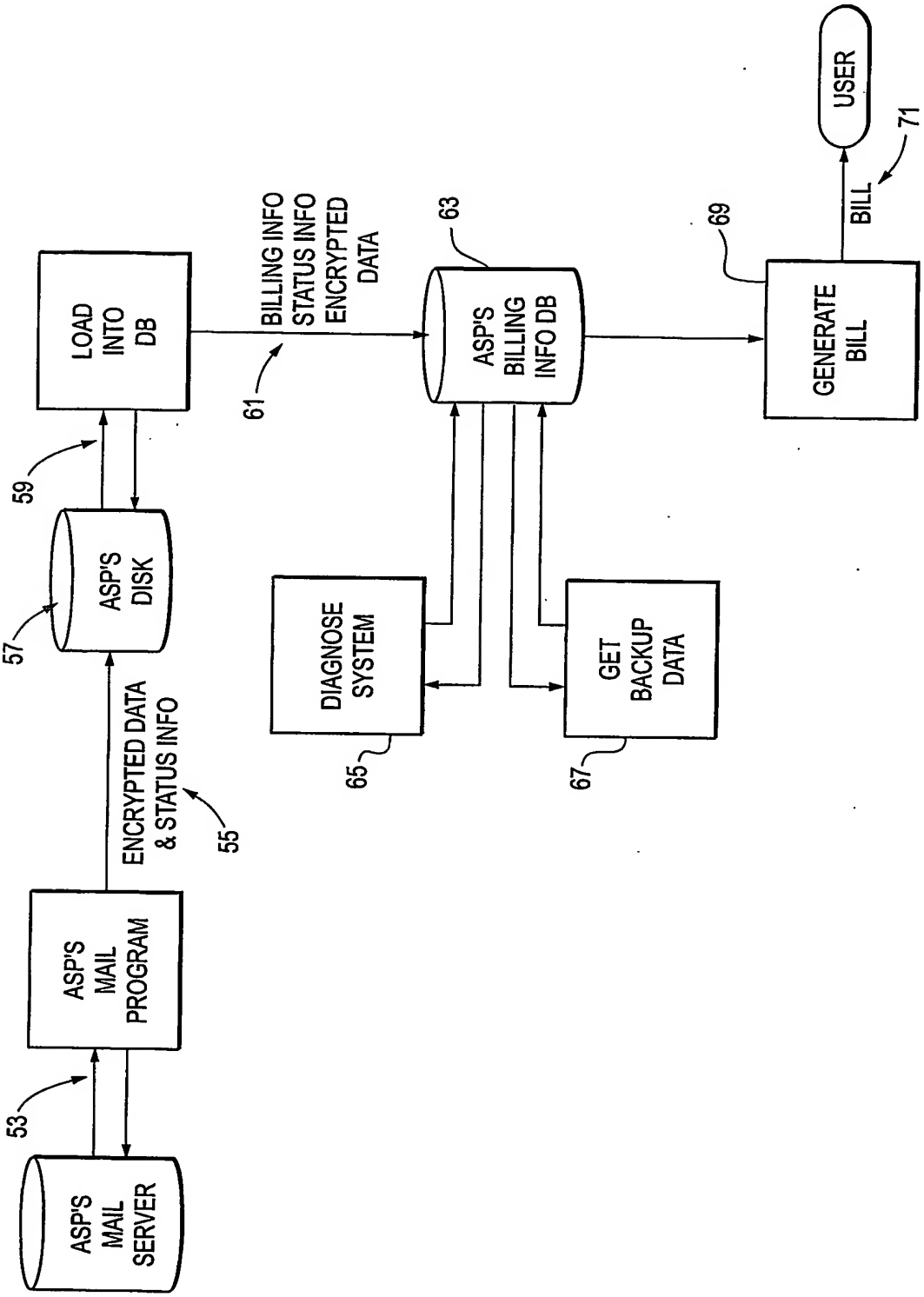
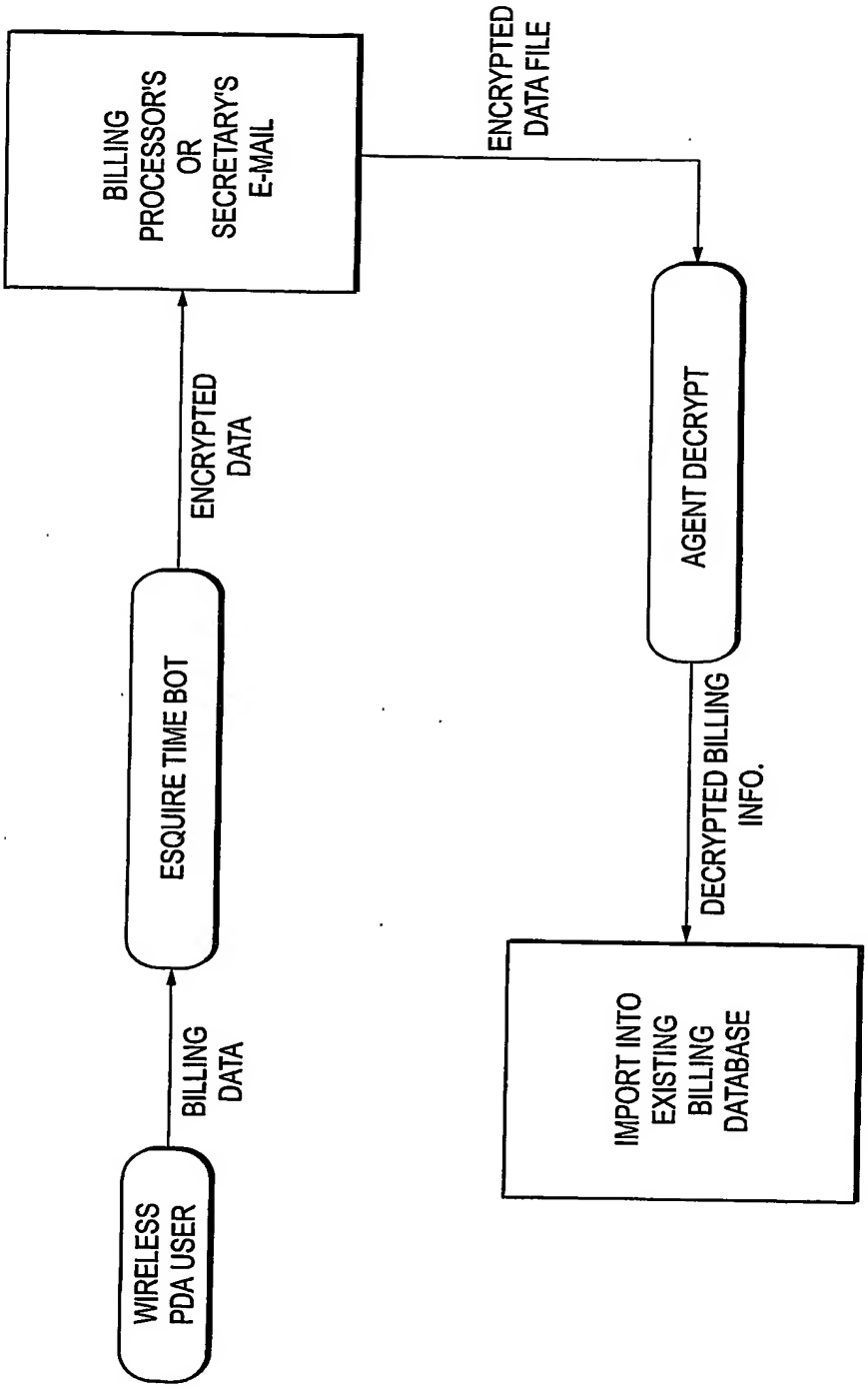

ASP'S MAIL SERVER
53
ASP'S MAIL PROGRAM
ENCRYPTED DATA & STATUS INFO
55
ASP'S DISK
57
59
LOAD INTO DB
BILLING INFO STATUS INFO ENCRYPTED DATA
61
ASP'S BILLING INFO DB
63
DIAGNOSE SYSTEM
65
GET BACKUP DATA
67
GENERATE BILL
69
BILL
71
USER

Fig. 5


WIRELESS PDA USER
BILLING DATA
ESQUIRE TIME BOT
ENCRYPTED DATA
BILLING PROCESSOR'S OR SECRETARY'S E-MAIL
ENCRYPTED DATA FILE
AGENT DECRYPT
DECRYPTED BILLING INFO.
IMPORT INTO EXISTING BILLING DATABASE